

Title (en)

METHOD FOR STERILIZING PACKAGING

Title (de)

VERFAHREN ZUM ENTKEIMEN VON PACKMITTELN

Title (fr)

PROCÉDÉ D'ASEPTISATION DE MOYENS D'EMBALLAGE

Publication

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Application

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Abstract (en)

[origin: WO2015086329A1] The invention relates to a method for sterilizing surfaces, in particular product- or filling contents-critical surfaces by treating same with a disinfectant.

IPC 8 full level

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CPC (source: EP US)

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Citation (opposition)

Opponent : KRONES AG

- DE 102010031873 A1 20120126 - KRONES AG [DE]
- DE 10141239 A1 20030327 - KORN GMBH [DE]
- DE 19644251 A1 19980430 - HENKEL ECOLAB GMBH & CO OHG [DE]
- DE 202008009165 U1 20081211 - AQUAGROUP AG [DE]
- EP 2261169 A1 20101215 - INDAG GMBH [DE]
- DE 202012011289 U1 20130115 - KHS GMBH [DE]
- DE 102010012569 A1 20110929 - KRONES AG [DE]
- EP 2394950 A1 20111214 - DAINIPPON PRINTING CO LTD [JP]
- DE 102004032861 A1 20060202 - KHS MASCH & ANLAGENBAU AG [DE]
- BLÜML, FISCHER: "Basiswissen aus Physik und Maschinenbau, Physikalische Grundlagen", HANDBUCH DER FÜLLTECHNIK: GRUNDLAGEN UND PRAXIS FÜR DAS ABFÜLLEN FLÜSSIGER PRODUKTE, 1 January 2004 (2004-01-01), pages 1 - 597, ISBN: 9783899470895
- VAN HOUTEGHEM NANCY, DEVLEGHERE FRANK, RAJKOVIC ANDREJA, OSSES GOMEZ SANDRA MARIA, UYTENDAELE MIEKE, DEBEVERE JOHAN: "Effects of CO₂ in the resuscitation of Listeria monocytogenes injured by various bactericidal treatments", INTERNATIONAL JOURNAL OF FOOD MICROBIOLOGY, vol. 123, no. 2008, 2008, pages 67 - 73, XP055809411

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